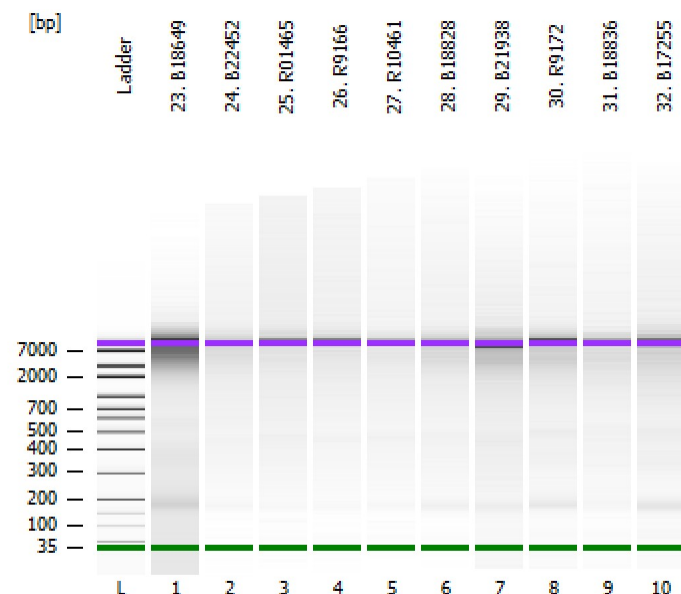


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electrophoresis File Run Summary



Instrument Information:

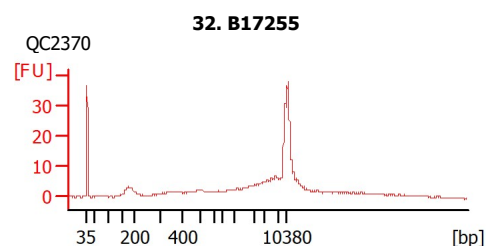
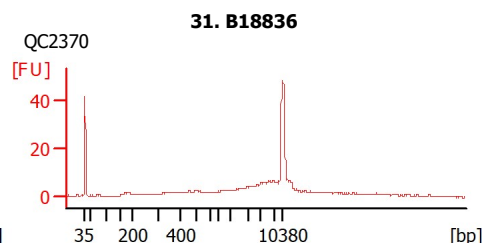
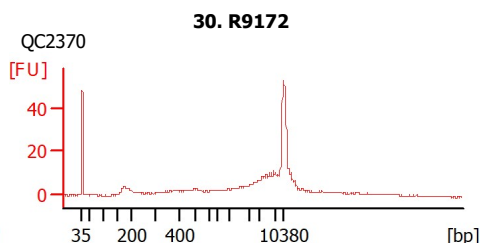
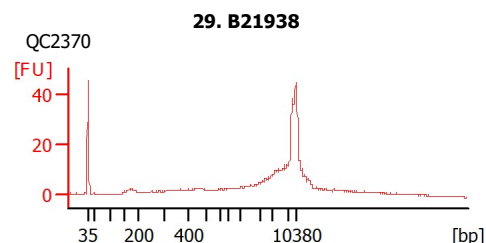
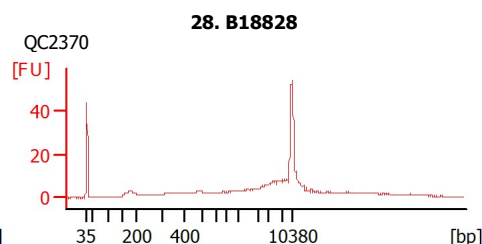
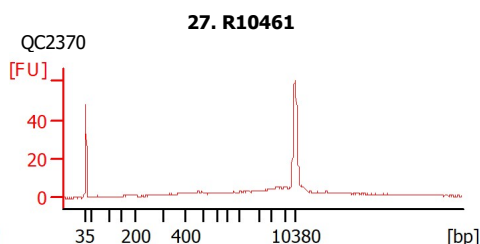
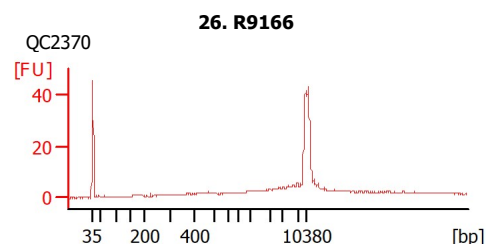
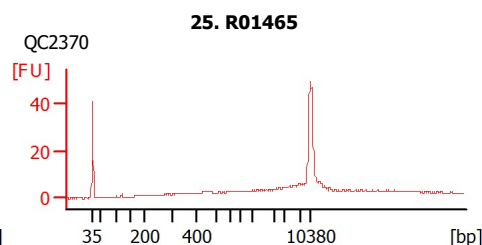
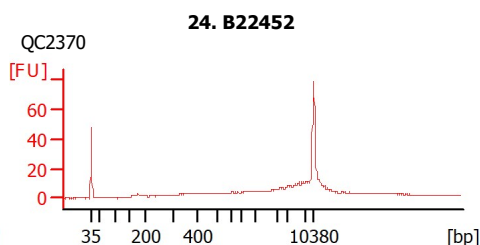
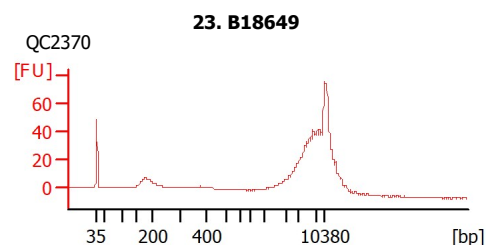
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
23. B18649	QC2370	☐	✓			
24. B22452	QC2370	☐	✓			
25. R01465	QC2370	☐	✓			
26. R9166	QC2370	☐	✓			
27. R10461	QC2370	☐	✓			
28. B18828	QC2370	☐	✓			
29. B21938	QC2370	☐	✓			
30. R9172	QC2370	☐	✓			
31. B18836	QC2370	☐	✓			
32. B17255	QC2370	☐	✓			
Ladder		☐	✓			

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

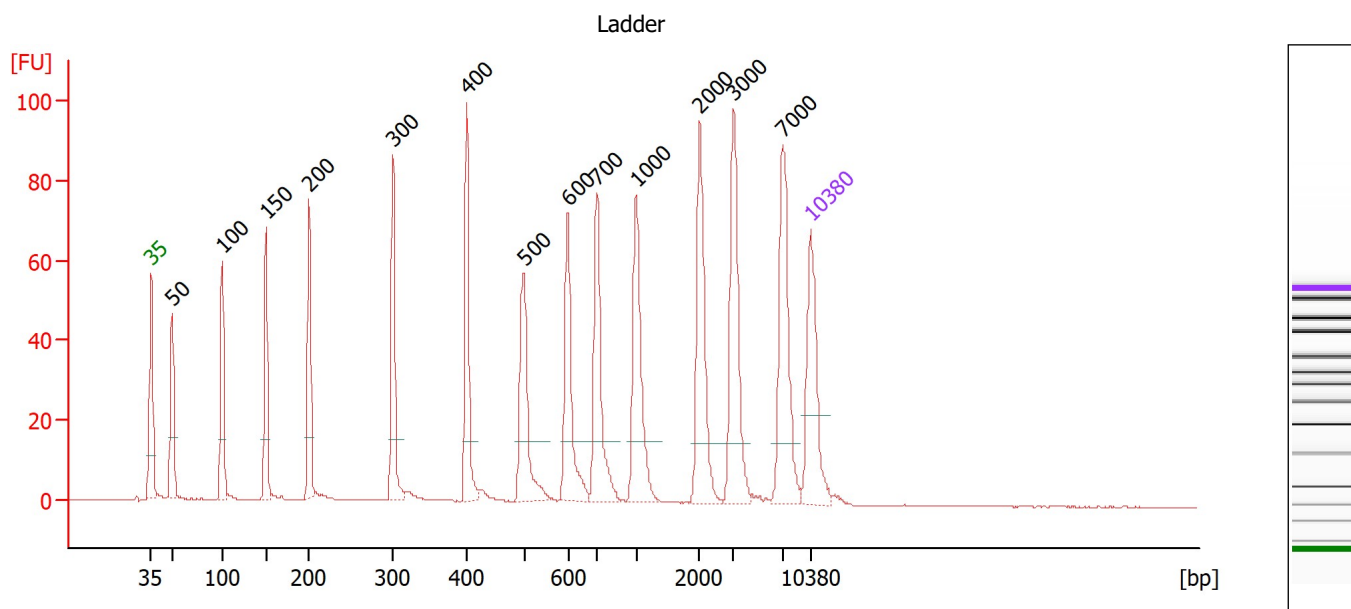
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

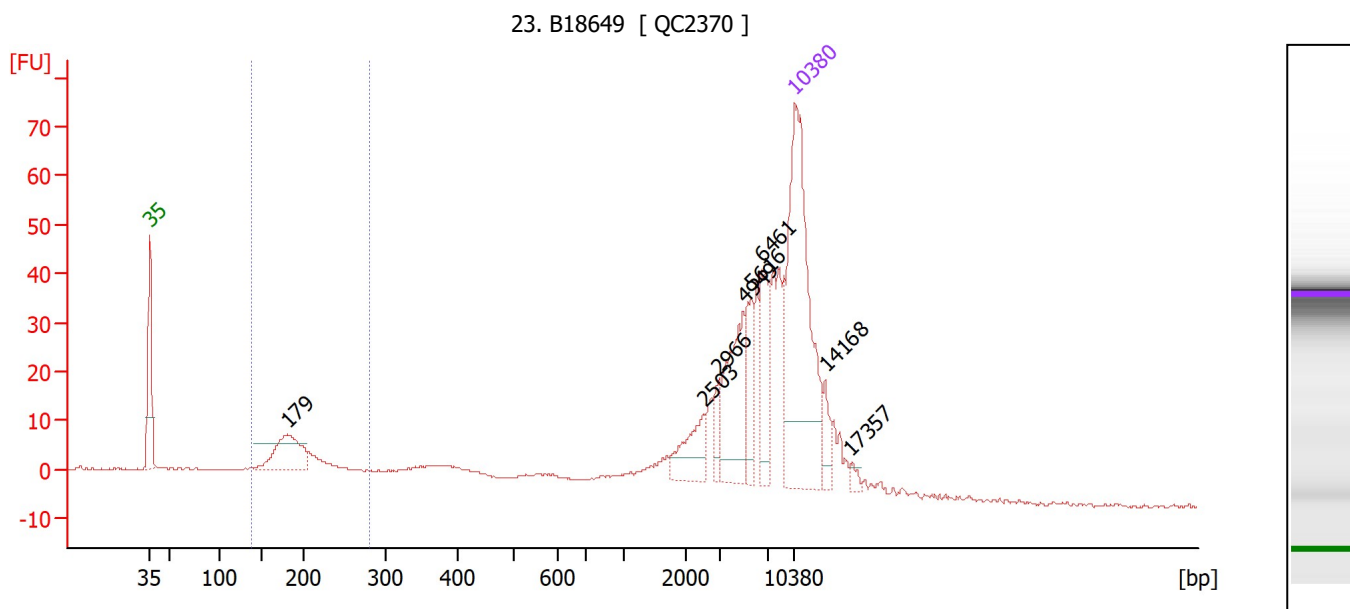
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
 Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 23. B18649

Number of peaks found: 8 Corr. Area 1: 77.0
 Noise: 0.1

Peak table for sample 1 : 23. B18649

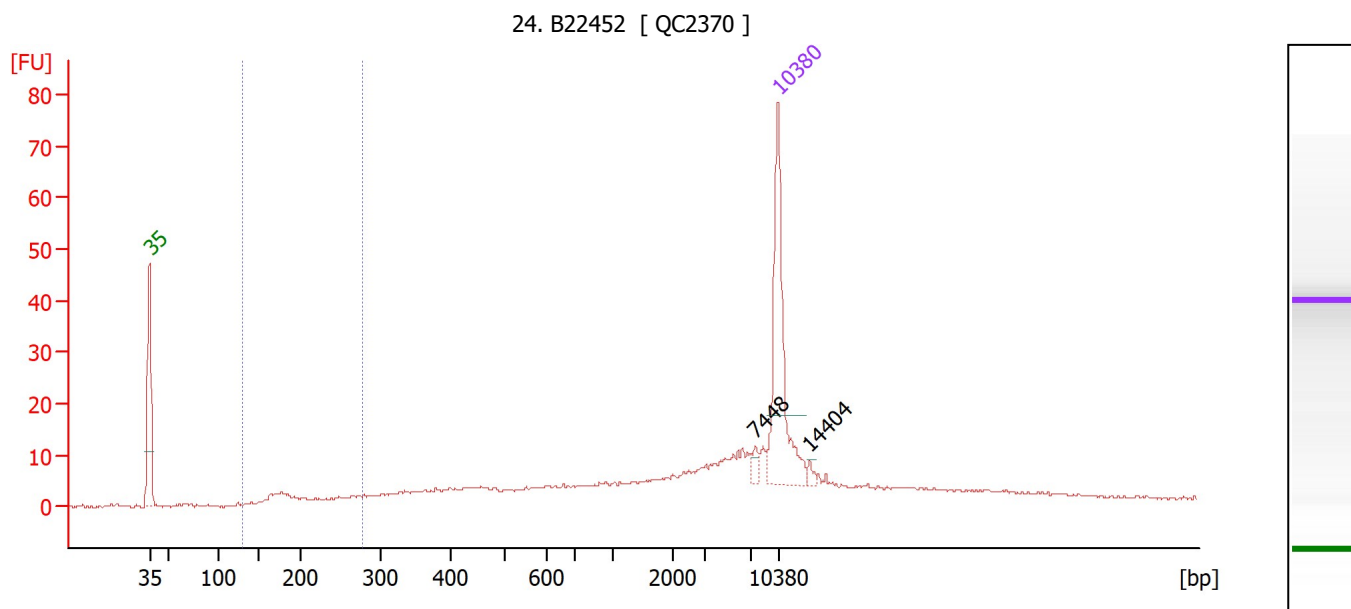
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	179	29.90	252.8	
3	2,503	14.43	8.7	
4	2,966	6.50	3.3	
5	4,949	30.14	9.2	
6	5,616	14.67	4.0	
7	6,461	19.66	4.6	
8	10,380	75.00	10.9	Upper Marker
9	14,168	0.00	0.0	
10	17,357	0.00	0.0	

Region table for sample 1 : 23. B18649

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
137	279	77.0	15	197	16.3	58.63	463.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 2 : 24. B22452**

Number of peaks found: 2 Corr. Area 1: 25.2
Noise: 0.2

Peak table for sample 2 : 24. B22452

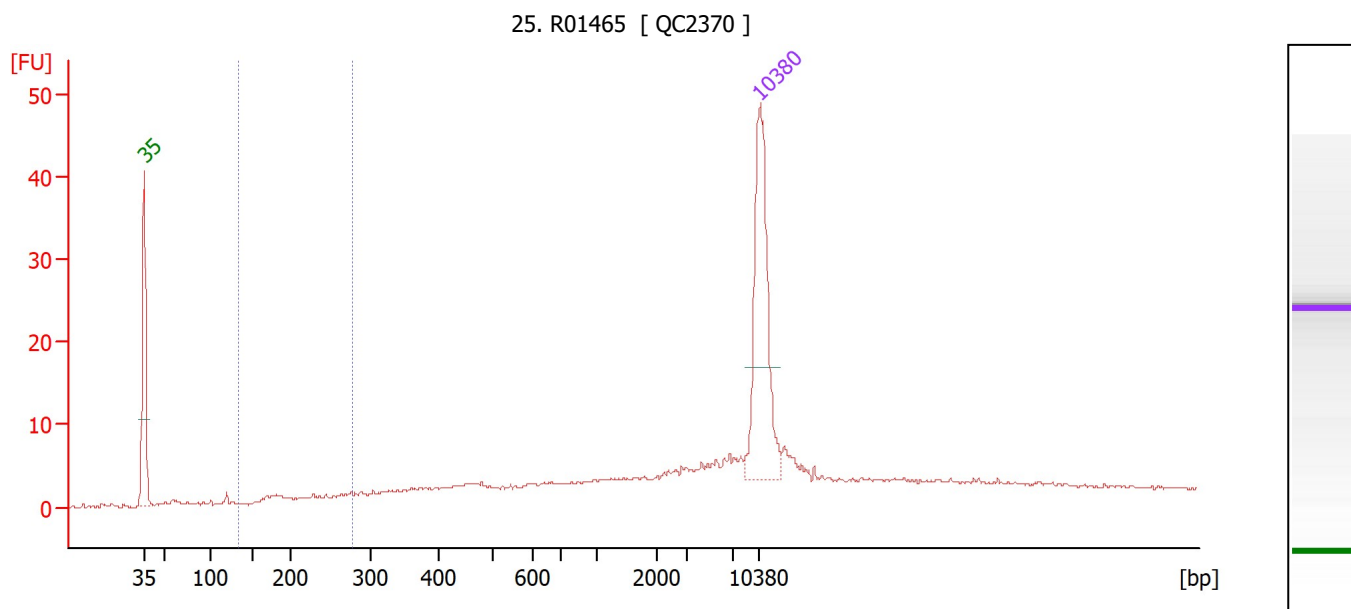
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	7,448	4.93	1.0	
3	10,380	75.00	10.9	Upper Marker
4	14,404	0.00	0.0	

Region table for sample 2 : 24. B22452

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
130	278	25.2	9	209	18.6	42.08	319.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 25. R01465**

Number of peaks found: 0 Corr. Area 1: 15.3
Noise: 0.2

Peak table for sample 3 : 25. R01465

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 3 : 25. R01465

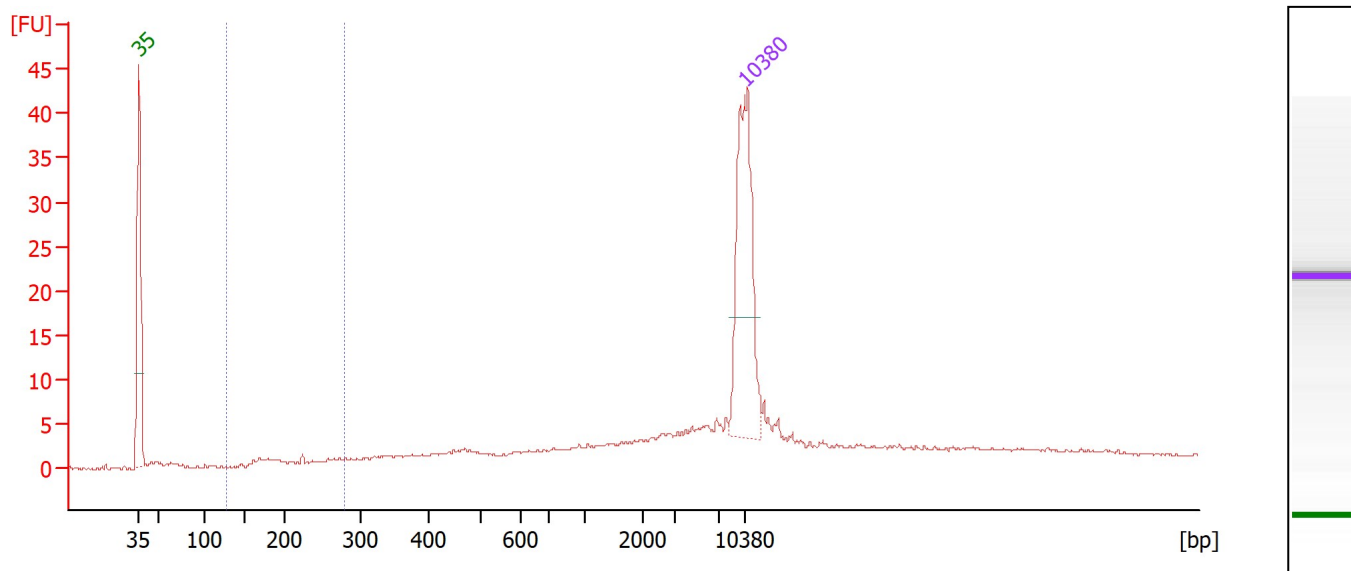
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
133	279	15.3	9	217	17.6	29.13	211.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...

26. R9166 [QC2370]

**Overall Results for sample 4 : 26. R9166**

Number of peaks found: 0 Corr. Area 1: 10.7
Noise: 0.2

Peak table for sample 4 : 26. R9166

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

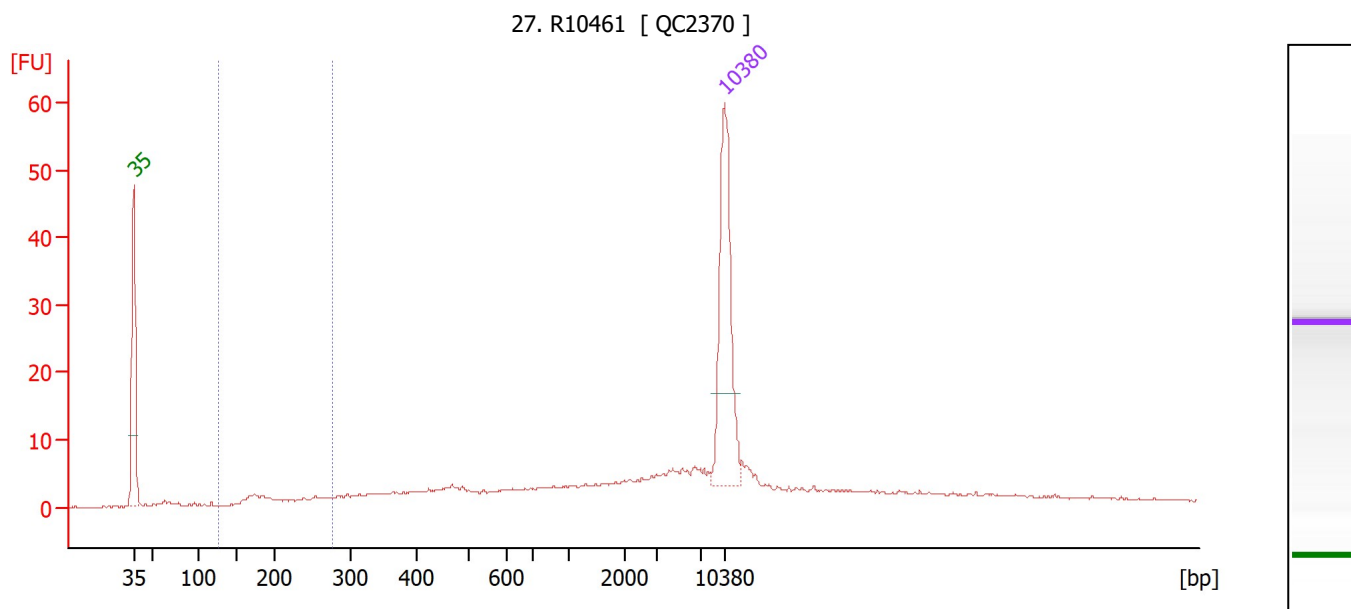
Region table for sample 4 : 26. R9166

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
128	280	10.7	7	215	17.8	20.00	146.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
 Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 27. R10461

Number of peaks found: 0 Corr. Area 1: 22.2
 Noise: 0.2

Peak table for sample 5 : 27. R10461

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

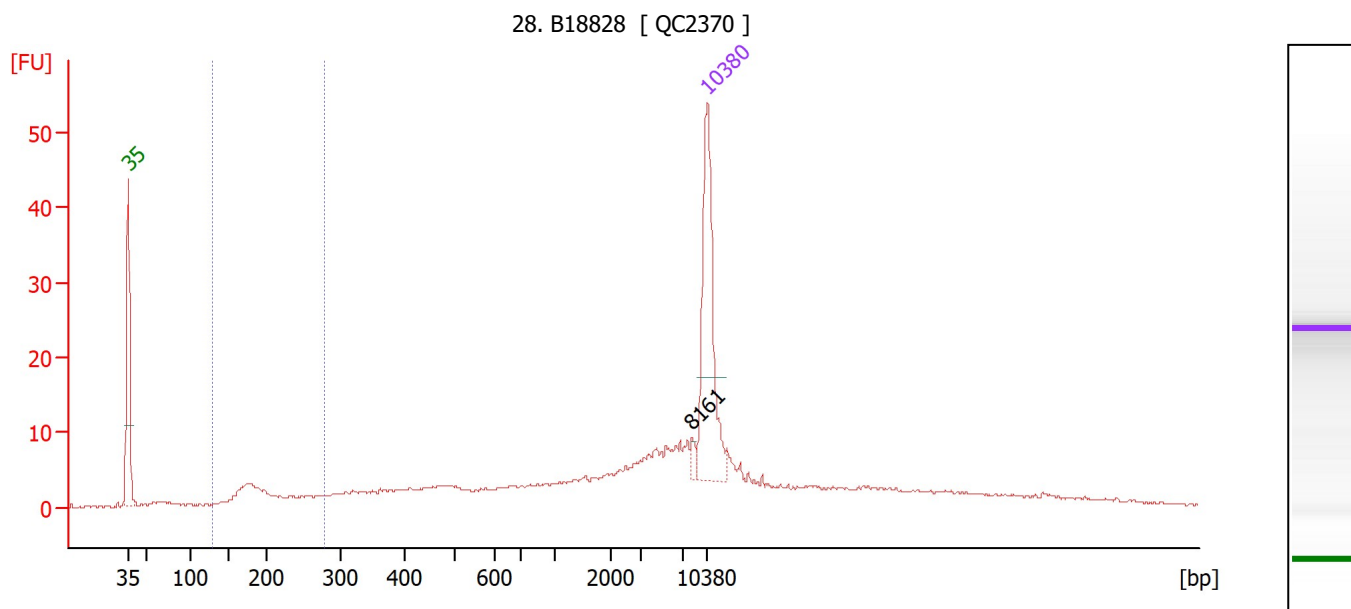
Region table for sample 5 : 27. R10461

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
128	277	22.2	10	209	18.8	39.28	298.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
 Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 28. B18828

Number of peaks found: 1 Corr. Area 1: 32.8
 Noise: 0.2

Peak table for sample 6 : 28. B18828

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	8,161	4.23	0.8	
3	10,380	75.00	10.9	Upper Marker

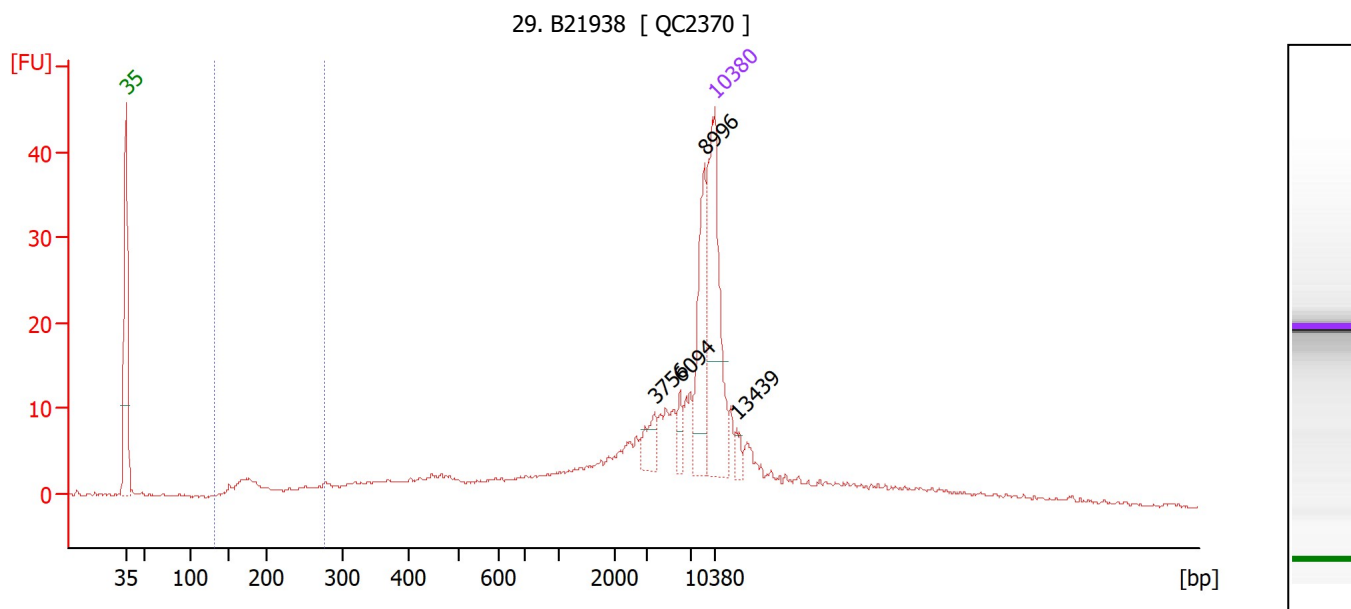
Region table for sample 6 : 28. B18828

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
129	277	32.8	12	202	18.6	69.36	542.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
 Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 29. B21938

Number of peaks found: 4 Corr. Area 1: 19.0
 Noise: 0.1

Peak table for sample 7 : 29. B21938

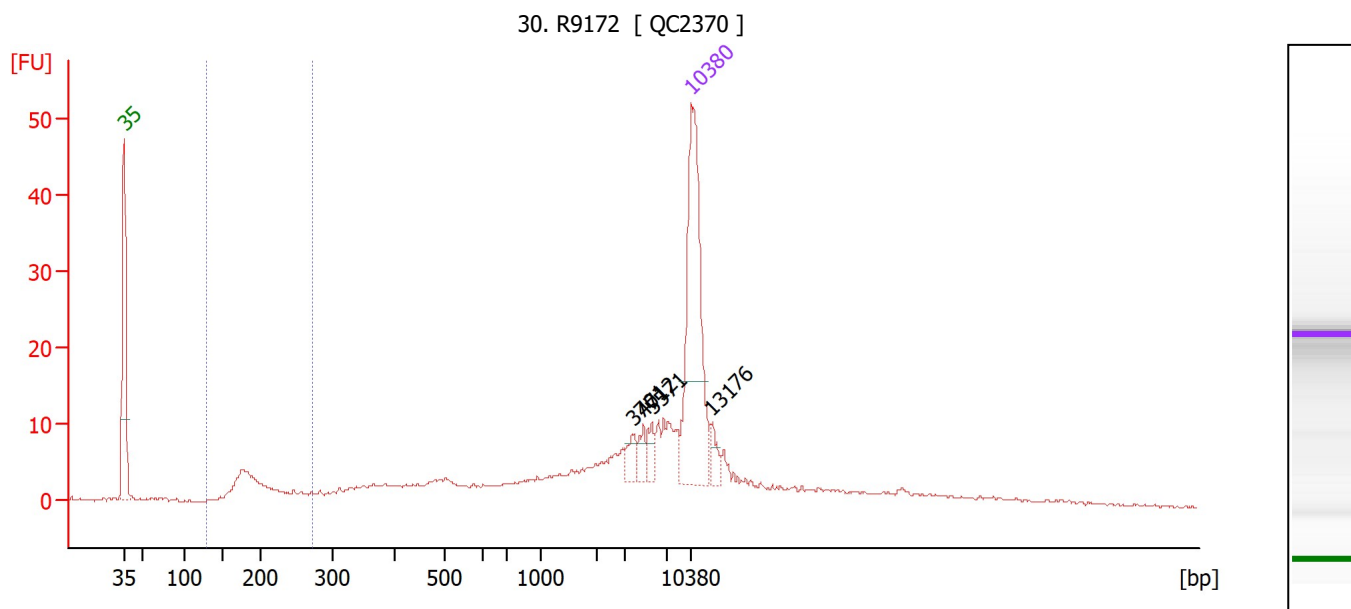
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,756	13.65	5.5	
3	6,094	8.26	2.1	
4	8,996	48.57	8.2	
5	10,380	75.00	10.9	Upper Marker
6	13,439	0.00	0.0	

Region table for sample 7 : 29. B21938

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
132	276	19.0	6	205	18.8	43.84	338.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 30. R9172**

Number of peaks found: 4 Corr. Area 1: 32.9
Noise: 0.1

Peak table for sample 8 : 30. R9172

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	3,701	6.16	2.5	
3	4,712	5.68	1.8	
4	5,571	5.99	1.6	
5	10,380	75.00	10.9	Upper Marker
6	13,176	0.00	0.0	

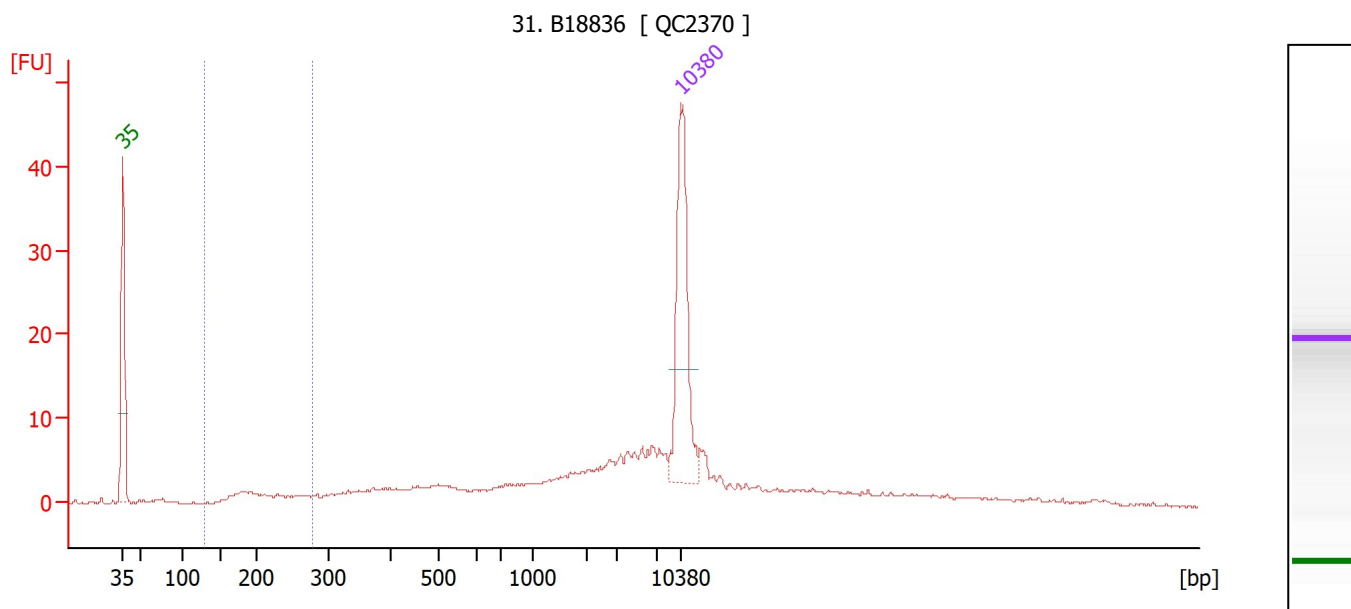
Region table for sample 8 : 30. R9172

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
127	274	32.9	12	200	16.0	52.58	409.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
 Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 31. B18836

Number of peaks found: 0 Corr. Area 1: 18.4
 Noise: 0.2

Peak table for sample 9 : 31. B18836

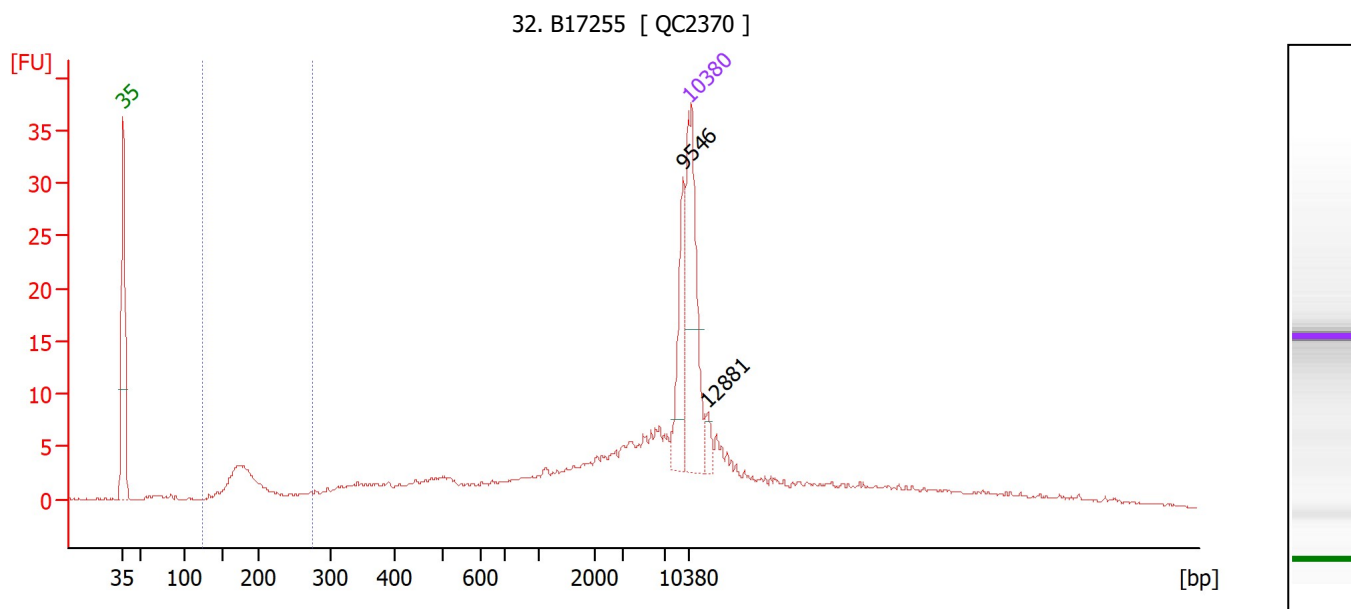
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : 31. B18836

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
128	278	18.4	9	211	17.1	40.20	299.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 32. B17255**

Number of peaks found: 2 Corr. Area 1: 25.2
Noise: 0.1

Peak table for sample 10 : 32. B17255

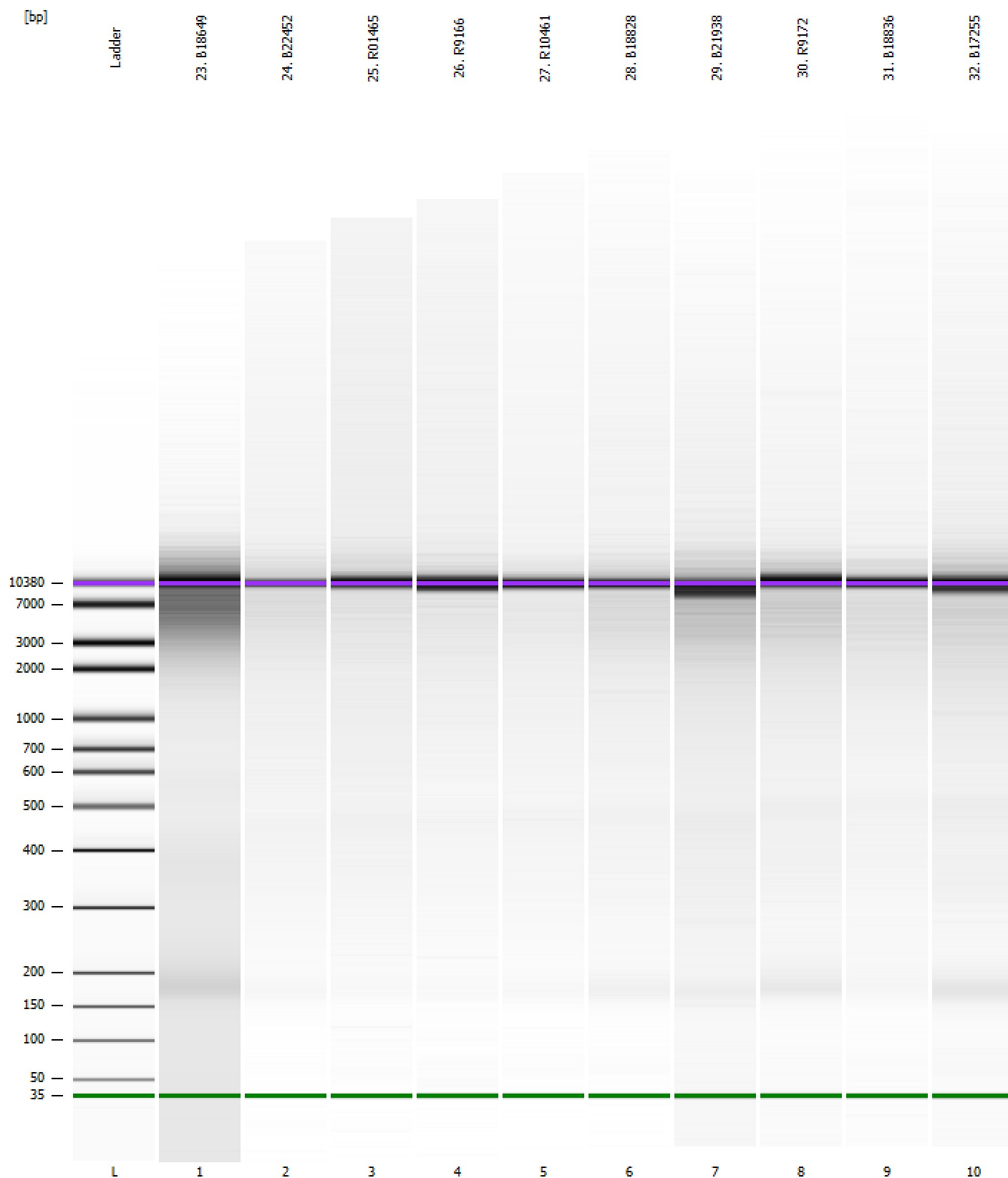
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	9,546	37.70	6.0	
3	10,380	75.00	10.9	Upper Marker
4	12,881	0.00	0.0	

Region table for sample 10 : 32. B17255

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
124	275	25.2	10	191	16.8	76.46	626.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
Modified: 12/5/2025 3:48:13 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 bioanalyzer\2100 expert\data\2025-12-05\QC2370-23-32.xad

Created: 12/5/2025 3:01:46 PM
 Modified: 12/5/2025 3:48:13 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/5/2025 3:43:09 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-12-05\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-12-05_002.xad)		Instrument	Run		12/5/2025 3:01:51 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/5/2025 3:01:51 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/5/2025 3:01:51 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/5/2025 3:01:51 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/5/2025 3:01:51 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/5/2025 3:01:51 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/5/2025 3:01:51 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB